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Terms	Documents
L5 and (engineered or designer)	318

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US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

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DATE: Sunday, August 21, 2005 Printable Copy Create Case

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L10	l5 and (engineered or designer)	318	L10
L9	l5 and (noncanonical or non adj canonical)	12	L9
L8	l5 and (canonical or noncanonical or non adj canonical)	26	L8
L7	l1 and L6	5	L7
L6	tandem adj array and L5	16	L6
L5	zinc adj finger same plant	430	L5
L4	l2 and tandem	18	L4
L3	l1 not L2	40	L3
L2	zinc adj finger and L1	41	L2
L1	c1 same (zea or maize) same domain	81	L1

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                   data from INPADOC
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                   fields
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 NEWS  15 APR 25   Patent searching, including current-awareness alerts (SDIs),
                   based on application date in CA/CAplus and USPATFULL/USPAT2
                   may be affected by a change in filing date for U.S.
                   applications.
 NEWS  16 APR 28   Improved searching of U.S. Patent Classifications for
                   U.S. patent records in CA/CAplus
 NEWS  17 MAY 23   GBFULL enhanced with patent drawing images
 NEWS  18 MAY 23   REGISTRY has been enhanced with source information from
                   CHEMCATS
 NEWS  19 JUN 06   The Analysis Edition of STN Express with Discover!
                   (Version 8.0 for Windows) now available
 NEWS  20 JUN 13   RUSSIAPAT: New full-text patent database on STN
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                   and text labels
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                   August
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FILE 'CABA' ENTERED AT 15:24:39 ON 21 AUG 2005
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=> s c1 and (maize or zea)
L1 1084 C1 AND (MAIZE OR ZEA)

=> s l1 and domain
L2 161 L1 AND DOMAIN

=> s l2 and (regulatory or transcriptional or enhanc?)
L3 113 L2 AND (REGULATORY OR TRANSCRIPTIONAL OR ENHANC?)

=> s l2 and (functional or regulatory or transcriptional or enhanc?)
L4 123 L2 AND (FUNCTIONAL OR REGULATORY OR TRANSCRIPTIONAL OR ENHANC?)

=> s l4 and c1(s)domain
L5 92 L4 AND C1(S) DOMAIN

=> duplicate remove l5
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PROCESSING COMPLETED FOR L5
L6 32 DUPLICATE REMOVE L5 (60 DUPLICATES REMOVED)

=> s l6 and zinc adj finger
L7 0 L6 AND ZINC ADJ FINGER

=> d l6 1-10 ti

L6 ANSWER 1 OF 32 MEDLINE on STN DUPLICATE 1
TI Different mechanisms participate in the R-dependent activity of the R2R3 MYB transcription factor **C1.**

L6 ANSWER 2 OF 32 MEDLINE on STN DUPLICATE 2
TI Elevation of seed alpha-tocopherol levels using plant-based transcription factors targeted to an endogenous locus.

L6 ANSWER 3 OF 32 CAPLUS COPYRIGHT 2005 ACS on STN

TI Control of gene expression in transgenic plants using chimeric insect ecdysone receptors and receptor cassettes

L6 ANSWER 4 OF 32 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 3
TI Recently duplicated **maize** R2R3 Myb genes provide evidence for distinct mechanisms of evolutionary divergence after dupliction.

L6 ANSWER 5 OF 32 CABA COPYRIGHT 2005 CABI on STN DUPLICATE 4
TI Characterization of a MYBR2R3 gene from black spruce (Picea mariana) that shares **functional** conservation with **maize C1**

L6 ANSWER 6 OF 32 MEDLINE on STN DUPLICATE 5
TI A chimeric ecdysone receptor facilitates methoxyfenozide-dependent restoration of male fertility in ms45 **maize.**

L6 ANSWER 7 OF 32 CAPLUS COPYRIGHT 2005 ACS on STN
TI Ecdysone receptor and Ultraspiracle from Ostrinia nubilalis and their use for inducible transactivation in plants

L6 ANSWER 8 OF 32 MEDLINE on STN DUPLICATE 6
TI Identification of the residues in the Myb **domain** of **maize C1** that specify the interaction with the bHLH cofactor R.

L6 ANSWER 9 OF 32 MEDLINE on STN DUPLICATE 7
TI Expression profiling of the **maize** flavonoid pathway genes controlled by estradiol-inducible transcription factors CRC and P.

L6 ANSWER 10 OF 32 CAPLUS COPYRIGHT 2005 ACS on STN
TI Modulating flavonoid content in plants by transformation with transcription factors that regulate the expression of genes for flavonoid biosynthesis

=> d his

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FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 15:24:39 ON 21 AUG 2005
L1 1084 S C1 AND (MAIZE OR ZEA)
L2 161 S L1 AND DOMAIN
L3 113 S L2 AND (REGULATORY OR TRANSCRIPTIONAL OR ENHANC?)
L4 123 S L2 AND (FUNCTIONAL OR REGULATORY OR TRANSCRIPTIONAL OR ENHAN
L5 92 S L4 AND C1(S)DOMAIN
L6 32 DUPLICATE REMOVE L5 (60 DUPLICATES REMOVED)
L7 0 S L6 AND ZINC ADJ FINGER

=> s zinc(w)finger and l6
L8 2 ZINC(W) FINGER AND L6

=> d l8 1-2 ti

L8 ANSWER 1 OF 2 MEDLINE on STN
TI Elevation of seed alpha-tocopherol levels using plant-based transcription factors targeted to an endogenous locus.

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
TI Nucleotide sequence of the **maize** chloroplast rpo B/**C1** /C2 operon: comparison between the derived protein primary structures from various organisms with respect to **functional** domains

=> d l8 1-2 bib

L8 ANSWER 1 OF 2 MEDLINE on STN
AN 2004216313 MEDLINE
DN PubMed ID: 15113563
TI Elevation of seed alpha-tocopherol levels using plant-based transcription factors targeted to an endogenous locus.
AU Van Eenennaam Alison L; Li Guofu; Venkatramesh Mylavarapu; Levering Charlene; Gong Xiaosong; Jamieson Andrew C; Rebar Edward J; Shewmaker Christine K; Case Casey C
CS Monsanto Company, 1920 5th Street, Davis, CA 95616, USA.
SO Metabolic engineering, (2004 Apr) 6 (2) 101-8.
Journal code: 9815657. ISSN: 1096-7176.
CY United States
DT (EVALUATION STUDIES)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200411
ED Entered STN: 20040429
Last Updated on STN: 20041219
Entered Medline: 20041130

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1990:546400 CAPLUS
DN 113:146400
TI Nucleotide sequence of the **maize** chloroplast rpo B/**C1** /C2 operon: comparison between the derived protein primary structures from various organisms with respect to **functional** domains
AU Igloi, Gabor L.; Meinke, Andreas; Doery, Istvan; Koessel, Hans
CS Inst. Biol. III, Univ. Freiburg, Freiburg, D-7800, Germany
SO Molecular and General Genetics (1990), 221(3), 379-94
CODEN: MGGEAE; ISSN: 0026-8925
DT Journal
LA English

=> d l8 2 kwic

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
TI Nucleotide sequence of the **maize** chloroplast rpo B/**C1** /C2 operon: comparison between the derived protein primary structures from various organisms with respect to **functional** domains
AB The genes (rpo B/**C1**/C2) coding for the β, β', β'' subunits of **maize** (**Zea** mays) chloroplast RNA polymerase have been located on the plastome, and their nucleotide sequences established. The operon is part of. . . units containing stretches of glutamic acid, tyrosines, and leucines with regular spacing. Other structural motifs, such as a nucleotide binding **domain** in the β subunit and a **zinc finger** in the β subunit, are compared at the amino acid level throughout the RNA polymerase subunits with the enzymes from. . .
ST **maize** chloroplast operon rpoBC1C2 sequence; **Zea** chloroplast gene rpo RNA polymerase
IT Chloroplast
(RNA polymerase operon rpo B/**C1**/C2 of, of corn, sequences and **functional** domains of)
IT Corn
(RNA polymerase operon rpoB/**C1**/C2 of chloroplast of, sequences and **functional** domains of)
IT Gene and Genetic element, plant
RL: BIOL (Biological study)
(rpoB, for RNA polymerase subunit β, of corn chloroplast, sequences and **functional domain** of)
IT Operon
(rpoBC, for RNA polymerase subunits, of corn chloroplast, sequences and **functional** domains of)
IT Gene and Genetic element, plant
RL: BIOL (Biological study)
(rpoC-1, for RNA polymerase subunit β, of corn chloroplast; sequences and **functional domain** of)

IT Gene and Genetic element, plant
RL: BIOL (Biological study)
(rpoC-2, for RNA polymerase subunit β, of corn chloroplast, sequences and **functional domain** of)
IT 9014-24-8, RNA polymerase
RL: BIOL (Biological study)
(operon rpo B/**C1**/C2 for, of corn chloroplast, sequences and **functional domain** comparison of)

=> d his

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FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 15:24:39 ON 21 AUG 2005
L1 1084 S C1 AND (MAIZE OR ZEA)
L2 161 S L1 AND DOMAIN
L3 113 S L2 AND (REGULATORY OR TRANSCRIPTIONAL OR ENHANC?)
L4 123 S L2 AND (FUNCTIONAL OR REGULATORY OR TRANSCRIPTIONAL OR ENHAN
L5 92 S L4 AND C1(S)DOMAIN
L6 32 DUPLICATE REMOVE L5 (60 DUPLICATES REMOVED)
L7 0 S L6 AND ZINC ADJ FINGER
L8 2 S ZINC(W)FINGER AND L6

=> s l6 not l8
L9 30 L6 NOT L8

=> d l9 1-10 ti

L9 ANSWER 1 OF 30 MEDLINE on STN
TI Different mechanisms participate in the R-dependent activity of the R2R3 MYB transcription factor **C1.**

L9 ANSWER 2 OF 30 MEDLINE on STN
TI A chimeric ecdysone receptor facilitates methoxyfenozide-dependent restoration of male fertility in ms45 **maize.**

L9 ANSWER 3 OF 30 MEDLINE on STN
TI Identification of the residues in the Myb **domain** of **maize C1** that specify the interaction with the bHLH cofactor R.

L9 ANSWER 4 OF 30 MEDLINE on STN
TI Expression profiling of the **maize** flavonoid pathway genes controlled by estradiol-inducible transcription factors CRC and P.

L9 ANSWER 5 OF 30 MEDLINE on STN
TI Three new dominant **C1** suppressor alleles in **Zea** mays.

L9 ANSWER 6 OF 30 MEDLINE on STN
TI Activation of the **maize** anthocyanin gene a2 is mediated by an element conserved in many anthocyanin promoters.

L9 ANSWER 7 OF 30 MEDLINE on STN
TI The quiescent/colorless alleles of viviparous1 show that the conserved B3 **domain** of VP1 is not essential for ABA-regulated gene expression in the seed.

L9 ANSWER 8 OF 30 MEDLINE on STN
TI Extensive mutagenesis of a **transcriptional** activation **domain** identifies single hydrophobic and acidic amino acids important for activation in vivo.

L9 ANSWER 9 OF 30 MEDLINE on STN
TI Molecular analysis of protein **domain** function encoded by the myb-homologous **maize** genes **C1**, Zm 1 and Zm 38.

L9 ANSWER 10 OF 30 MEDLINE on STN

TI An Arabidopsis myb homolog is induced by dehydration stress and its gene product binds to the conserved MYB recognition sequence.

=> d l9 9 bib

L9 ANSWER 9 OF 30 MEDLINE on STN
AN 95004651 MEDLINE
DN PubMed ID: 7920701
TI Molecular analysis of protein **domain** function encoded by the myb-homologous **maize** genes **C1**, Zm 1 and Zm 38.
AU Franken P; Schrell S; Peterson P A; Saedler H; Wienand U
CS Max-Planck-Institut fur Zuchtungsforschung, Koln, Germany.
SO Plant journal : for cell and molecular biology, (1994 Jul) 6 (1) 21-30. Journal code: 9207397. ISSN: 0960-7412.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-X78845; GENBANK-X78846
EM 199410
ED Entered STN: 19941222
Last Updated on STN: 20021218
Entered Medline: 19941025

=> d l9 11-20 ti

L9 ANSWER 11 OF 30 MEDLINE on STN
TI **Functional** analysis of the **transcriptional** activator encoded by the **maize** B gene: evidence for a direct **functional** interaction between two classes of **regulatory** proteins.

L9 ANSWER 12 OF 30 MEDLINE on STN
TI Alternatively spliced products of the **maize** P gene encode proteins with homology to the DNA-binding **domain** of myb-like transcription factors.

L9 ANSWER 13 OF 30 MEDLINE on STN
TI Identification of **functional** domains in the **maize** **transcriptional** activator **C1**: comparison of wild-type and dominant inhibitor proteins.

L9 ANSWER 14 OF 30 MEDLINE on STN
TI The **regulatory** **c1** locus of **Zea** mays encodes a protein with homology to myb proto-oncogene products and with structural similarities to **transcriptional** activators.

L9 ANSWER 15 OF 30 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN
TI Recently duplicated **maize** R2R3 Myb genes provide evidence for distinct mechanisms of evolutionary divergence after dupliction.

L9 ANSWER 16 OF 30 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN
TI The conserved B3 **domain** of VIVIPAROUS1 has a cooperative DNA binding activity.

L9 ANSWER 17 OF 30 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN
TI Expression patterns of myb genes from Antirrhinum flowers.

L9 ANSWER 18 OF 30 CABA COPYRIGHT 2005 CABI on STN
TI Characterization of a MYBR2R3 gene from black spruce (Picea mariana) that shares **functional** conservation with **maize C1**

L9 ANSWER 19 OF 30 CABA COPYRIGHT 2005 CABI on STN
TI Aleurone and pericarp pigmentation in the a1-mum2 allele.

L9 ANSWER 20 OF 30 CABA COPYRIGHT 2005 CABI on STN
TI Does P protein require a partner, as **C1** protein does?.

=> d l9 13, 14 bib

L9 ANSWER 13 OF 30 MEDLINE on STN
AN 91138963 MEDLINE
DN PubMed ID: 1995419
TI Identification of **functional** domains in the **maize transcriptional** activator **C1**: comparison of wild-type and dominant inhibitor proteins.
AU Goff S A; Cone K C; Fromm M E
CS U.S. Department of Agriculture/University of California, Berkeley, Albany 94710.
SO Genes & development, (1991 Feb) 5 (2) 298-309.
Journal code: 8711660. ISSN: 0890-9369.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199103
ED Entered STN: 19910412
Last Updated on STN: 20021218
Entered Medline: 19910322

L9 ANSWER 14 OF 30 MEDLINE on STN
AN 88111545 MEDLINE
DN PubMed ID: 3428265
TI The **regulatory c1** locus of **Zea** mays encodes a protein with homology to myb proto-oncogene products and with structural similarities to **transcriptional** activators.
AU Paz-Ares J; Ghosal D; Wienand U; Peterson P A; Saedler H
CS Max-Planck Institut fur Zuchtungsforschung, Koln, FRG.
SO EMBO journal, (1987 Dec 1) 6 (12) 3553-8.
Journal code: 8208664. ISSN: 0261-4189.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198803
ED Entered STN: 19900305
Last Updated on STN: 20021218
Entered Medline: 19880318

=> d l9 21-30 ti

L9 ANSWER 21 OF 30 CABA COPYRIGHT 2005 CABI on STN
TI Petunia hybrida genes related to the **maize regulatory C1** gene and to animal myb proto-oncogenes.

L9 ANSWER 22 OF 30 CABA COPYRIGHT 2005 CABI on STN
TI Analysis of **functional** domains of the **C1**-encoded protein.

L9 ANSWER 23 OF 30 CABA COPYRIGHT 2005 CABI on STN
TI Transactivation of the anthocyanin pathway structural genes with wild-type and altered **C1** proteins.

L9 ANSWER 24 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN

TI Control of gene expression in transgenic plants using chimeric insect ecdysone receptors and receptor cassettes

L9 ANSWER 25 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
TI Ecdysone receptor and Ultraspiracle from Ostrinia nubilalis and their use for inducible transactivation in plants

L9 ANSWER 26 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
TI Modulating flavonoid content in plants by transformation with transcription factors that regulate the expression of genes for flavonoid biosynthesis

L9 ANSWER 27 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
TI A **regulatory** system for expression of a silent antisense adenylosuccinate synthetase (AdSS) gene in transgenic Arabidopsis thaliana

L9 ANSWER 28 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
TI Activation of latent transgenes in Arabidopsis using a hybrid transcription factor

L9 ANSWER 29 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
TI Analysis of bHLH and MYB **domain** proteins: species-specific **regulatory** differences are caused by divergent evolution of target anthocyanin genes

L9 ANSWER 30 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
TI Analysis of the cis-acting sequences required for **C1**/B activation of the **maize** anthocyanin biosynthetic pathway

=> d l9 22, 24, 26, 28 bib

L9 ANSWER 22 OF 30 CABA COPYRIGHT 2005 CABI on STN
AN 93:6729 CABA
DN 19931635329
TI Analysis of **functional** domains of the **C1**-encoded protein
AU Franken, P.; Kartzke, S.; Peterson, P. A.; Saedler, H.; Wienand, U.
CS Max-Planck-Institut, Cologne, Germany.
SO Maize Genetics Cooperation Newsletter, (1992) No. 66, pp. 36.
DT Journal
LA English
ED Entered STN: 19941101
Last Updated on STN: 19941101

L9 ANSWER 24 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:633352 CAPLUS
DN 139:174841
TI Control of gene expression in transgenic plants using chimeric insect ecdysone receptors and receptor cassettes
IN Pascal, Erica J.; Valentine, Scott A.; Brown, Jeffrey A.; Cockrell, Adam S.; Johnson, Brian D.
PA USA
SO U.S. Pat. Appl. Publ., 186 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2003154509	A1	20030814	US 2001-87167	20011024
PRAI US 2001-87167		20011024		

L9 ANSWER 26 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1999:487410 CAPLUS
DN 131:112392
TI Modulating flavonoid content in plants by transformation with transcription factors that regulate the expression of genes for flavonoid biosynthesis

```
IN   Bovy, Arnaud Guillaume; Van der Hijden, Hendrikus Theodorus Wilhelmus
     Maria; Hughes, Stephen Glyn; Muir, Shelagh Rachael; Van Tunen, Adrianus
     Johannes; Verhoeyen, Martine Elisa; De Vos, C. H. R.
PA   Unilever PLC, UK; Unilever N. V.; Hindustan Lever Limited
SO   PCT Int. Appl., 101 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     --------------      ----   --------    --------------------   --------
PI   WO 9937794           A1    19990729    WO 1999-EP419          19990125
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
             KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,
             MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
             TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU,
             TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     AU 9924241            A1    19990809    AU 1999-24241          19990125
     EP 1049791            A1    20001108    EP 1999-903673         19990125
         R:  AT, BE, DE, ES, FR, GB, IT, NL, SE
PRAI GB 1998-1598         A     19980126
     WO 1999-EP419        W     19990125
RE.CNT  14    THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9   ANSWER 28 OF 30  CAPLUS  COPYRIGHT 2005 ACS on STN
AN   1998:463220  CAPLUS
DN   129:212383
TI   Activation of latent transgenes in Arabidopsis using a hybrid
     transcription factor
AU   Guyer, Dave; Tuttle, Ann; Rouse, Sabrina; Volrath, Sandra; Johnson, Marie;
     Potter, Sharon; Gorlach, Jorn; Goff, Steve; Crossland, Lyle; Ward, Eric
CS   Novartis Agricultural Biotechnology Research, Research Triangle Park, NC,
     27709, USA
SO   Genetics (1998), 149(2), 633-639
     CODEN: GENTAE; ISSN: 0016-6731
PB   Genetics Society of America
DT   Journal
LA   English
RE.CNT  23    THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L1          1084 S C1 AND (MAIZE OR ZEA)
L2           161 S L1 AND DOMAIN
L3           113 S L2 AND (REGULATORY OR TRANSCRIPTIONAL OR ENHANC?)
L4           123 S L2 AND (FUNCTIONAL OR REGULATORY OR TRANSCRIPTIONAL OR ENHAN
L5            92 S L4 AND C1(S)DOMAIN
L6            32 DUPLICATE REMOVE L5 (60 DUPLICATES REMOVED)
L7             0 S L6 AND ZINC ADJ FINGER
L8             2 S ZINC(W)FINGER AND L6
L9            30 S L6 NOT L8

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FILE LAST UPDATED: 18 Aug 2005 (20050818/ED)
HIGHEST GRANTED PATENT NUMBER: US6931661
HIGHEST APPLICATION PUBLICATION NUMBER: US2005183181
CA INDEXING IS CURRENT THROUGH 18 Aug 2005 (20050818/UPCA)
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REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2005

>>> USPAT2 is now available.  USPATFULL contains full text of the     <<<
>>> original, i.e., the earliest published granted patents or        <<<
>>> applications.  USPAT2 contains full text of the latest US        <<<
>>> publications, starting in 2001, for the inventions covered in    <<<
>>> USPATFULL.  A USPATFULL record contains not only the original    <<<
>>> published document but also a list of any subsequent             <<<
>>> publications.  The publication number, patent kind code, and     <<<
>>> publication date for all the US publications for an invention     <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL  <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc.                                                        <<<

>>> USPATFULL and USPAT2 can be accessed and searched together        <<<
>>> through the new cluster USPATALL.  Type FILE USPATALL to         <<<
>>> enter this cluster.                                              <<<
>>>                                                                  <<<
>>> Use USPATALL when searching terms such as patent assignees,      <<<
>>> classifications, or claims, that may potentially change from     <<<
>>> the earliest to the latest publication.                          <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l1
        149974 C1
         26784 MAIZE
          7817 ZEA
L10       2292 C1 AND (MAIZE OR ZEA)

=> s c1(s)zinc(w)finger and l10
        149974 C1
        240918 ZINC
        185743 FINGER
           135 C1(S)ZINC(W)FINGER
L11         40 C1(S)ZINC(W)FINGER AND L10

=> d l11 1-10 ti

L11  ANSWER 1 OF 40  USPATFULL on STN
TI     Identification and characterization of plant genes

L11  ANSWER 2 OF 40  USPATFULL on STN
TI     Nucleic acid and amino acid sequences relating to streptococcus
       pneumoniae for diagnostics and therapeutics

L11  ANSWER 3 OF 40  USPATFULL on STN
TI     Methods for monitoring multiple gene expression

L11  ANSWER 4 OF 40  USPATFULL on STN
TI     Nucleic acid molecules from rice controlling abiotic stress tolerance

L11  ANSWER 5 OF 40  USPATFULL on STN
TI     Methods for inhibition of membrane fusion-associated events, including
       HIV transmission
```

L11 ANSWER 6 OF 40 USPATFULL on STN
TI Methods for monitoring multiple gene expression

L11 ANSWER 7 OF 40 USPATFULL on STN
TI Nucleic acid and amino acid sequences relating to Streptococcus pneumoniae for diagnostics and therapeutics

L11 ANSWER 8 OF 40 USPATFULL on STN
TI Methods and compositions for the identification and treatment of neurodegenerative disorders

L11 ANSWER 9 OF 40 USPATFULL on STN
TI Cathepsin V-like polypeptides

L11 ANSWER 10 OF 40 USPATFULL on STN
TI Nucleic acid molecules and other molecules associated with transcription in plants

=> s l11 and (engineered or designer)
60024 ENGINEERED
52941 DESIGNER
L12 30 L11 AND (ENGINEERED OR DESIGNER)

=> d l12 1-10 ti

L12 ANSWER 1 OF 30 USPATFULL on STN
TI Identification and characterization of plant genes

L12 ANSWER 2 OF 30 USPATFULL on STN
TI Nucleic acid and amino acid sequences relating to streptococcus pneumoniae for diagnostics and therapeutics

L12 ANSWER 3 OF 30 USPATFULL on STN
TI Nucleic acid molecules from rice controlling abiotic stress tolerance

L12 ANSWER 4 OF 30 USPATFULL on STN
TI Methods for inhibition of membrane fusion-associated events, including HIV transmission

L12 ANSWER 5 OF 30 USPATFULL on STN
TI Nucleic acid and amino acid sequences relating to Streptococcus pneumoniae for diagnostics and therapeutics

L12 ANSWER 6 OF 30 USPATFULL on STN
TI Methods and compositions for the identification and treatment of neurodegenerative disorders

L12 ANSWER 7 OF 30 USPATFULL on STN
TI Cathepsin V-like polypeptides

L12 ANSWER 8 OF 30 USPATFULL on STN
TI Nucleic acid sequences relating to Candida albicans for diagnostics and therapeutics

L12 ANSWER 9 OF 30 USPATFULL on STN
TI Novel nucleic acids and polypeptides

L12 ANSWER 10 OF 30 USPATFULL on STN
TI Fusion proteins comprising DP-178 and other viral fusion inhibitor peptides useful for treating aids

=> d l10 11-20 ti

L10 ANSWER 11 OF 2292 USPATFULL on STN
TI Novel aryl fructose-1,6-bisphosphatase inhibitors

L10 ANSWER 12 OF 2292 USPATFULL on STN
TI 4"-Deoxy-4"-(s)-amido avermectin derivatives

L10 ANSWER 13 OF 2292 USPATFULL on STN
TI Laundry system having unitized dosing

L10 ANSWER 14 OF 2292 USPATFULL on STN
TI Esterases with lipase activity

L10 ANSWER 15 OF 2292 USPATFULL on STN
TI Degradation of hydrophobic ester pesticides and toxins

L10 ANSWER 16 OF 2292 USPATFULL on STN
TI Human secreted proteins

L10 ANSWER 17 OF 2292 USPATFULL on STN
TI Degradation of Cercosporin by laccase

L10 ANSWER 18 OF 2292 USPATFULL on STN
TI Composition containing a semi-crystalline polymer and a polyvinylpyrrolidone/alpha-olefin copolymer

L10 ANSWER 19 OF 2292 USPATFULL on STN
TI Cosmetic compositions comprising a cation, a drawing polymer and a thickener, and cosmetic treatment processes

L10 ANSWER 20 OF 2292 USPATFULL on STN
TI Short-root gene, promoter, and uses thereof

=> d l10 21-30 ti

L10 ANSWER 21 OF 2292 USPATFULL on STN
TI Recombination systems and methods for eliminating nucleic acid sequences from the genome of eukaryotic organisms

L10 ANSWER 22 OF 2292 USPATFULL on STN
TI Histamine-3 receptor modulators

L10 ANSWER 23 OF 2292 USPATFULL on STN
TI Compositions for treating or preventing obesity and insulin resistance disorders

L10 ANSWER 24 OF 2292 USPATFULL on STN
TI PYK2 crystal structure and uses

L10 ANSWER 25 OF 2292 USPATFULL on STN
TI Coloring composition, process of making, uses thereof

L10 ANSWER 26 OF 2292 USPATFULL on STN
TI Composition for protecting keratin material, process of making, uses thereof

L10 ANSWER 27 OF 2292 USPATFULL on STN
TI Weed control

L10 ANSWER 28 OF 2292 USPATFULL on STN
TI Taxanes having a C7 carbonate substituent

L10 ANSWER 29 OF 2292 USPATFULL on STN
TI Benzoxazine and benzoxazinone substituted triazoles

L10 ANSWER 30 OF 2292 USPATFULL on STN
TI Mild, viscous cleansing composition with versatile compatibility and enhanced conditioning

=> d his

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     (FILE 'HOME' ENTERED AT 15:24:33 ON 21 AUG 2005)

     FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
     15:24:39 ON 21 AUG 2005
L1          1084 S C1 AND (MAIZE OR ZEA)
L2           161 S L1 AND DOMAIN
L3           113 S L2 AND (REGULATORY OR TRANSCRIPTIONAL OR ENHANC?)
L4           123 S L2 AND (FUNCTIONAL OR REGULATORY OR TRANSCRIPTIONAL OR ENHAN
L5            92 S L4 AND C1(S)DOMAIN
L6            32 DUPLICATE REMOVE L5 (60 DUPLICATES REMOVED)
L7             0 S L6 AND ZINC ADJ FINGER
L8             2 S ZINC(W)FINGER AND L6
L9            30 S L6 NOT L8

     FILE 'USPATFULL' ENTERED AT 15:32:02 ON 21 AUG 2005
L10         2292 S L1
L11           40 S C1(S)ZINC(W)FINGER AND L10
L12           30 S L11 AND (ENGINEERED OR DESIGNER)

=> s l10 and l5
         149974 C1
          26784 MAIZE
           7817 ZEA
         156727 DOMAIN
         518714 FUNCTIONAL
          74737 REGULATORY
          41086 TRANSCRIPTIONAL
         954840 ENHANC?
         149974 C1
         156727 DOMAIN
           1647 C1(S) DOMAIN
L13         173 L10 AND L5

=> s l13 not l11
L14         144 L13 NOT L11

=> s l14 and c1(s)domain(s)fused
         149974 C1
         156727 DOMAIN
         170005 FUSED
             75 C1(S)DOMAIN(S)FUSED
L15          21 L14 AND C1(S)DOMAIN(S)FUSED

=> d l15 1-21 ti

L15  ANSWER 1 OF 21  USPATFULL on STN
TI     Geminivirus resistant transgenic plants

L15  ANSWER 2 OF 21  USPATFULL on STN
TI     Replicative in vivo gene targeting

L15  ANSWER 3 OF 21  USPATFULL on STN
TI     Control of gene expression in plants

L15  ANSWER 4 OF 21  USPATFULL on STN
TI     Genetically modified plants with enhanced resistance to fungal
       diseases and a method of production thereof

L15  ANSWER 5 OF 21  USPATFULL on STN
TI     Reversible nuclear genetic system for male sterility in transgenic
       plants

L15  ANSWER 6 OF 21  USPATFULL on STN
TI     Apo-A-I regulation of T-cell signaling

L15  ANSWER 7 OF 21  USPATFULL on STN
TI     Juvenile hormone or one of its agonists as a chemical ligand to control
       gene expression in plants by receptor mediated transactivation
```

L15 ANSWER 8 OF 21 USPATFULL on STN
TI Control of gene expression in plants by receptor mediated transactivation in the presence of a chemical ligand

L15 ANSWER 9 OF 21 USPATFULL on STN
TI Reversible nuclear genetic system for male sterility in transgenic plants

L15 ANSWER 10 OF 21 USPATFULL on STN
TI Nucleic acid molecules encoding 5'-phosphoribosyl-5-aminoimidazole (AIR) synthetase

L15 ANSWER 11 OF 21 USPATFULL on STN
TI Reversible nuclear genetic system for male sterility in transgenic plants

L15 ANSWER 12 OF 21 USPATFULL on STN
TI Method of controlling the fertility of a plant

L15 ANSWER 13 OF 21 USPATFULL on STN
TI Reversible nuclear genetic system for male sterility in transgenic plants

L15 ANSWER 14 OF 21 USPATFULL on STN
TI Control of gene expression in plants by receptor mediated transactivation in the presence of a chemical ligand

L15 ANSWER 15 OF 21 USPATFULL on STN
TI DNA promoter 5126 and constructs useful in a reversible nuclear genetic system for male sterility in transgenic plants

L15 ANSWER 16 OF 21 USPATFULL on STN
TI Reversible nuclear genetic system for male sterility in transgenic plants

L15 ANSWER 17 OF 21 USPATFULL on STN
TI Reversible nuclear genetic system for male sterility in transgenic plants

L15 ANSWER 18 OF 21 USPATFULL on STN
TI Reversible nuclear genetic system for male sterility in transgenic plants

L15 ANSWER 19 OF 21 USPATFULL on STN
TI Reversible nuclear genetic system for male sterility in transgenic plants

L15 ANSWER 20 OF 21 USPATFULL on STN
TI Transgenic plants and DNA comprising anther specific promoter 5126 and gene to achieve male sterility

L15 ANSWER 21 OF 21 USPATFULL on STN
TI Transgenic plant and method for producing male sterility using anther specific promoter 5126

=> d his

(FILE 'HOME' ENTERED AT 15:24:33 ON 21 AUG 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 15:24:39 ON 21 AUG 2005

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L1          1084 S C1 AND (MAIZE OR ZEA)
L2           161 S L1 AND DOMAIN
L3           113 S L2 AND (REGULATORY OR TRANSCRIPTIONAL OR ENHANC?)
L4           123 S L2 AND (FUNCTIONAL OR REGULATORY OR TRANSCRIPTIONAL OR ENHAN
L5            92 S L4 AND C1(S)DOMAIN
L6            32 DUPLICATE REMOVE L5 (60 DUPLICATES REMOVED)
L7             0 S L6 AND ZINC ADJ FINGER
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L8     .  .  2 S ZINC(W)FINGER AND L6
L9          30 S L6 NOT L8

     FILE 'USPATFULL' ENTERED AT 15:32:02 ON 21 AUG 2005
L10       2292 S L1
L11         40 S C1(S)ZINC(W)FINGER AND L10
L12         30 S L11 AND (ENGINEERED OR DESIGNER)
L13        173 S L10 AND L5
L14        144 S L13 NOT L11
L15         21 S L14 AND C1(S)DOMAIN(S)FUSED

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      11.20      62.97

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -0.73

STN INTERNATIONAL LOGOFF AT 15:36:52 ON 21 AUG 2005
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